${\bf Appendix\ Table\ 1-Regression\ analysis\ of\ the\ association\ between\ oral\ health\ outcomes\ and\ SEP\ measures}$ 

Educational level University (Ref) 1.00 1.00 1.00 1.08 (0.95, 5econdary 1.65 (1.34, 2.03) 2.60 (1.30, 5.20) 1.38 (1.24, Primary or less 1.96 (1.59, 2.42) 3.54 (1.84, 6.81) 1.75 (1.57, p-value for trend 0.001 0.001 0.001  Household income ≥ 3 NMW 1.00 1.00 1.00 1.00 ≥ 2 and < 3 NMW 1.63 (1.23, 2.16) 1.28 (0.75, 2.18) 1.26 (1.11, ≥ 1 and < 2 NMW 1.86 (1.44, 2.39) 1.79 (1.15, 2.79) 1.33 (1.20, ≥ Half and <1 NMW 2.26 (1.76, 2.90) 2.16 (1.40, 3.33) 1.41 (1.27, ≤ Half NMW 2.36 (1.81, 3.07) 2.16 (1.37, 3.40) 1.54 (1.37, p-value for trend 0.001 0.001  Area level SEP Highest (Ref) 1.00 1.00 1.00 1.00 Middle 1.44 (1.01, 2.06) 2.71 (1.35, 5.45) 1.54 (1.32, Low 1.54 (1.09, 2.16) 4.01 (2.06, 7.83) 1.71 (1.47, Lowest 1.92 (1.35, 2.73) 3.64 (1.84, 7.24) 1.84 (1.57, p-value for trend 0.001 0.001  Health insurance scheme Exceptional (Ref) 1.00 1.00 1.00 1.00 Contributory 1.17 (0.85, 1.60) 0.68 (0.44, 1.03) 0.94 (0.82, Subsidized 1.82 (1.34, 2.48) 0.99 (0.67, 1.49) 1.18 (1.03, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.0		Having ≥3 teeth with untreated caries	Edentulousness	Number of missing teeth
Educational level  University (Ref) 1.00 1.00 1.00 1.00  Technical 1.18 (0.92, 1.52) 1.46 (0.58, 3.67) 1.08 (0.95, 5econdary 1.65 (1.34, 2.03) 2.60 (1.30, 5.20) 1.38 (1.24, Primary or less 1.96 (1.59, 2.42) 3.54 (1.84, 6.81) 1.75 (1.57, p-value for trend < <0.001 <0.001 <0.001 <0.001  Household income ≥ 3 NMW 1.63 (1.23, 2.16) 1.28 (0.75, 2.18) 1.26 (1.11, ≥ 1 and < 2 NMW 1.86 (1.44, 2.39) 1.79 (1.15, 2.79) 1.33 (1.20, ≥ Half and <1 NMW 2.26 (1.76, 2.90) 2.16 (1.40, 3.33) 1.41 (1.27, < Half NMW 2.36 (1.81, 3.07) 2.16 (1.37, 3.40) 1.54 (1.37, p-value for trend < 0.001 <0.001  Area level SEP  Highest (Ref) 1.00 1.00 1.00 1.00  Middle 1.44 (1.01, 2.06) 2.71 (1.35, 5.45) 1.54 (1.32, p-value for trend < 0.001 <0.001 <0.001  Health insurance scheme Exceptional (Ref) 1.00 1.00 1.00 1.00  Contributory 1.17 (0.85, 1.60) 0.68 (0.44, 1.03) 0.94 (0.82, Subsidized 1.82 (1.34, 2.48) 0.99 (0.67, 1.49) 1.18 (1.03, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06		Prevalence r	atio (95% CI) <sup>b</sup>	IRR (95% CI)
University (Ref)       1.00       1.00       1.00         Technical       1.18 (0.92, 1.52)       1.46 (0.58, 3.67)       1.08 (0.95, 50.04)         Secondary       1.65 (1.34, 2.03)       2.60 (1.30, 5.20)       1.38 (1.24, 7.24)         Primary or less       1.96 (1.59, 2.42)       3.54 (1.84, 6.81)       1.75 (1.57, 2.57, 2.42)         P-value for trend       <0.001       <0.001       <0.001         Household income         ≥ 3 NMW f       1.00       1.00       1.00         ≥ 2 and < 3 NMW       1.63 (1.23, 2.16)       1.28 (0.75, 2.18)       1.26 (1.11, 2.11, 2.27)         ≥ 1 and < 2 NMW       1.86 (1.44, 2.39)       1.79 (1.15, 2.79)       1.33 (1.20, 2.16)         ≥ Half and < 1 NMW       2.26 (1.76, 2.90)       2.16 (1.40, 3.33)       1.41 (1.27, 4.137, 2.24)         ← Half NMW       2.36 (1.81, 3.07)       2.16 (1.37, 3.40)       1.54 (1.37, 2.24)         P-value for trend       <0.001       0.001       <0.001         Area level SEP         Highest (Ref)       1.00       1.00       1.00         Middle       1.44 (1.01, 2.06)       2.71 (1.35, 5.45)       1.54 (1.32, 1.32)         Low       1.54 (1.09, 2.16)       4.01 (2.06, 7.83)       1.71 (1.47, 1.47, 1.47, 1.47, 1.47, 1.47, 1.47, 1.47, 1.47	Р			
Technical       1.18 (0.92, 1.52)       1.46 (0.58, 3.67)       1.08 (0.95, 5econdary)         Secondary       1.65 (1.34, 2.03)       2.60 (1.30, 5.20)       1.38 (1.24, Primary or less)         1.96 (1.59, 2.42)       3.54 (1.84, 6.81)       1.75 (1.57, p-value for trend)         -value for trend       <0.001	ucational level			
Secondary       1.65 (1.34, 2.03)       2.60 (1.30, 5.20)       1.38 (1.24, Primary or less         1.96 (1.59, 2.42)       3.54 (1.84, 6.81)       1.75 (1.57, p-value for trend       <0.001	niversity (Ref)	1.00	1.00	1.00
Primary or less 1.96 (1.59, 2.42) 3.54 (1.84, 6.81) 1.75 (1.57, p-value for trend <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.	chnical	1.18 (0.92, 1.52)	1.46 (0.58, 3.67)	1.08 (0.95, 1.23)
p-value for trend <0.001 <0.001 <0.001 <0.001 Household income ≥ 3 NMW	condary	1.65 (1.34, 2.03)	2.60 (1.30, 5.20)	1.38 (1.24, 1.53)
Household income ≥ 3 NMW c 1.00 1.00 1.00 1.00 ≥ 2 and < 3 NMW 1.63 (1.23, 2.16) 1.28 (0.75, 2.18) 1.26 (1.11, ≥ 1 and < 2 NMW 1.86 (1.44, 2.39) 1.79 (1.15, 2.79) 1.33 (1.20, ≥ Half and <1 NMW 2.26 (1.76, 2.90) 2.16 (1.40, 3.33) 1.41 (1.27, < Half NMW 2.36 (1.81, 3.07) 2.16 (1.37, 3.40) 1.54 (1.37, p-value for trend <0.001 <0.001 <0.001  Area level SEP Highest (Ref) 1.00 1.00 1.00 Middle 1.44 (1.01, 2.06) 2.71 (1.35, 5.45) 1.54 (1.32, Low 1.54 (1.09, 2.16) 4.01 (2.06, 7.83) 1.71 (1.47, Lowest 1.92 (1.35, 2.73) 3.64 (1.84, 7.24) 1.84 (1.57, p-value for trend <0.001 <0.001  Health insurance scheme Exceptional (Ref) 1.00 1.00 0.68 (0.44, 1.03) 0.94 (0.82, Subsidized 1.82 (1.34, 2.48) 0.99 (0.67, 1.49) 1.18 (1.03, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88,	imary or less	1.96 (1.59, 2.42)	3.54 (1.84, 6.81)	1.75 (1.57, 1.94)
≥ 3 NMW ° 1.00 1.00 1.00 1.00 1.00 ≥ 2 and < 3 NMW 1.63 (1.23, 2.16) 1.28 (0.75, 2.18) 1.26 (1.11, ≥ 1 and < 2 NMW 1.86 (1.44, 2.39) 1.79 (1.15, 2.79) 1.33 (1.20, ≥ Half and <1 NMW 2.26 (1.76, 2.90) 2.16 (1.40, 3.33) 1.41 (1.27, < Half NMW 2.36 (1.81, 3.07) 2.16 (1.37, 3.40) 1.54 (1.37, p-value for trend <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.	value for trend	<0.001	<0.001	<0.001
≥ 2 and < 3 NMW 1.63 (1.23, 2.16) 1.28 (0.75, 2.18) 1.26 (1.11, ≥ 1 and < 2 NMW 1.86 (1.44, 2.39) 1.79 (1.15, 2.79) 1.33 (1.20, ≥ Half and <1 NMW 2.26 (1.76, 2.90) 2.16 (1.40, 3.33) 1.41 (1.27, < Half NMW 2.36 (1.81, 3.07) 2.16 (1.37, 3.40) 1.54 (1.37, p-value for trend <ul> <li>√0.001</li> <li>√0.001</li> </ul> <li>Area level SEP Highest (Ref) 1.00 1.00 1.00 Middle 1.44 (1.01, 2.06) 2.71 (1.35, 5.45) 1.54 (1.32, Low 1.54 (1.09, 2.16) 4.01 (2.06, 7.83) 1.71 (1.47, Lowest 1.92 (1.35, 2.73) 3.64 (1.84, 7.24) 1.84 (1.57, p-value for trend  <ul> <li>√0.001</li> <li>√0.001</li> </ul> </li> <li>Health insurance scheme Exceptional (Ref) 1.00 1.00 Contributory 1.17 (0.85, 1.60) 0.68 (0.44, 1.03) 0.94 (0.82, Subsidized 1.82 (1.34, 2.48) 0.99 (0.67, 1.49) 1.18 (1.03, Not insured 0.58 (0.28, 1.23) 1.06 (0.88,</li>	ousehold income			
≥ 1 and < 2 NMW  1.86 (1.44, 2.39)  1.79 (1.15, 2.79)  1.33 (1.20,    ≥ Half and <1 NMW  2.26 (1.76, 2.90)  2.16 (1.40, 3.33)  1.41 (1.27,    < Half NMW  2.36 (1.81, 3.07)  2.16 (1.37, 3.40)  1.54 (1.37,    p-value for trend  < 0.001   Area level SEP  Highest (Ref)  1.00  1.00  Middle  1.44 (1.01, 2.06)  2.71 (1.35, 5.45)  1.54 (1.32,    1.00  Middle  1.54 (1.09, 2.16)  4.01 (2.06, 7.83)  1.71 (1.47,    1.84 (1.57,    p-value for trend  < 0.001   Health insurance scheme  Exceptional (Ref)  1.00  1.00  1.00  1.00  1.00  1.00  1.00  2.0001   Contributory  1.17 (0.85, 1.60)  0.68 (0.44, 1.03)  0.94 (0.82,    Subsidized  1.82 (1.34, 2.48)  0.99 (0.67, 1.49)  1.18 (1.03,    Not insured  1.06 (0.88,    1.06 (0.88,    1.06 (0.88,    1.06 (0.88,    1.06 (0.88,    1.06 (0.88,    1.06 (0.88,    1.07 (1.15, 2.79)  1.14 (1.15, 2.79)  1.15 (1.15, 2.79)  1.16 (1.27, 3.24)  1.20 (1.30, 3.34)  1.20 (1.31, 3.24)  1.20 (1.31, 3.24)  1.20 (1.31, 3.24)  1.20 (1.32, 2.79)  1.21 (1.27, 2.79)  1.22 (1.35, 2.79)  1.23 (1.20, 3.34)  1.24 (1.20, 3.33)  1.41 (1.22, 3.34)  1.20 (1.37, 3.24)  1.20 (1.35, 2.79)  1.21 (1.25, 2.79)  1.22 (1.35, 2.79)  1.23 (1.20, 7.83)  1.24 (1.32, 7.84)  1.24 (1.34, 2.48)  1.25 (1.34, 2.48)  1.26 (1.34, 2.48)  1.27 (1.35, 2.79)  1.28 (1.27, 3.24)  1.29 (1.35, 2.79)  1.33 (1.20, 3.34)  1.41 (1.27, 3.34)  1.20 (1.37, 3.24)  1.20 (1.35, 2.79)  1.21 (1.35, 2.79)  1.22 (1.35, 2.79)  1.23 (1.20, 3.34)  1.20 (1.37, 3.24)  1.20 (1.37, 3.24)  1.20 (1.37, 3.24)  1.20 (1.37, 3.24)  1.20 (1.37, 3.24)  1.20 (1.37, 3.24)  1.20 (1.37, 3.24)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.21 (1.37, 3.24)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.83)  1.20 (1.20, 7.	3 NMW <sup>c</sup>	1.00	1.00	1.00
≥ Half and <1 NMW  2.26 (1.76, 2.90)  2.16 (1.40, 3.33)  1.41 (1.27, < Half NMW  2.36 (1.81, 3.07)  2.16 (1.37, 3.40)  1.54 (1.37, p-value for trend  <0.001   40.001   40.001   40.001   Area level SEP  Highest (Ref)  1.00  1.00  1.00  Middle  1.44 (1.01, 2.06)  1.54 (1.09, 2.16)  1.54 (1.09, 2.16)  1.54 (1.81, 7.24)  1.84 (1.57, p-value for trend  40.001	2 and < 3 NMW	1.63 (1.23, 2.16)	1.28 (0.75, 2.18)	1.26 (1.11, 1.42)
< Half NMW	L and < 2 NMW	1.86 (1.44, 2.39)	1.79 (1.15, 2.79)	1.33 (1.20, 1.47)
p-value for trend       <0.001	Half and <1 NMW	2.26 (1.76, 2.90)	2.16 (1.40, 3.33)	1.41 (1.27, 1.56)
Area level SEP Highest (Ref) 1.00 1.00 1.00 Middle 1.44 (1.01, 2.06) 2.71 (1.35, 5.45) 1.54 (1.32, Low 1.54 (1.09, 2.16) 4.01 (2.06, 7.83) 1.71 (1.47, Lowest 1.92 (1.35, 2.73) 3.64 (1.84, 7.24) 1.84 (1.57, p-value for trend <0.001  **O.001  **Health insurance scheme** Exceptional (Ref) 1.00 1.00 Contributory 1.17 (0.85, 1.60) 0.68 (0.44, 1.03) 0.94 (0.82, Subsidized 1.82 (1.34, 2.48) 0.99 (0.67, 1.49) 1.18 (1.03, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88,	Half NMW	2.36 (1.81, 3.07)	2.16 (1.37, 3.40)	1.54 (1.37, 1.73)
Highest (Ref)       1.00       1.00       1.00         Middle       1.44 (1.01, 2.06)       2.71 (1.35, 5.45)       1.54 (1.32, 1.54 (1.32, 1.54))         Low       1.54 (1.09, 2.16)       4.01 (2.06, 7.83)       1.71 (1.47, 1.47, 1.47)         Lowest       1.92 (1.35, 2.73)       3.64 (1.84, 7.24)       1.84 (1.57, p-value for trend         Faceptional (Ref)       0.001       0.001       0.001         Health insurance scheme       0.001       0.001       0.001         Exceptional (Ref)       1.00       1.00       1.00         Contributory       1.17 (0.85, 1.60)       0.68 (0.44, 1.03)       0.94 (0.82, 1.23)         Subsidized       1.82 (1.34, 2.48)       0.99 (0.67, 1.49)       1.18 (1.03, 1.06)         Not insured       2.33 (1.67, 3.24)       0.58 (0.28, 1.23)       1.06 (0.88, 1.23)	value for trend	<0.001	<0.001	<0.001
Middle       1.44 (1.01, 2.06)       2.71 (1.35, 5.45)       1.54 (1.32,         Low       1.54 (1.09, 2.16)       4.01 (2.06, 7.83)       1.71 (1.47,         Lowest       1.92 (1.35, 2.73)       3.64 (1.84, 7.24)       1.84 (1.57,         p-value for trend       <0.001	ea level SEP			
Low 1.54 (1.09, 2.16) 4.01 (2.06, 7.83) 1.71 (1.47, Lowest 1.92 (1.35, 2.73) 3.64 (1.84, 7.24) 1.84 (1.57, p-value for trend <0.001 <0.001 <0.001 <0.001  Health insurance scheme Exceptional (Ref) 1.00 1.00 1.00 Contributory 1.17 (0.85, 1.60) 0.68 (0.44, 1.03) 0.94 (0.82, Subsidized 1.82 (1.34, 2.48) 0.99 (0.67, 1.49) 1.18 (1.03, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88,	ghest (Ref)	1.00	1.00	1.00
Lowest 1.92 (1.35, 2.73) 3.64 (1.84, 7.24) 1.84 (1.57, p-value for trend <0.001 <0.001 <0.001 <0.001  Health insurance scheme Exceptional (Ref) 1.00 1.00 1.00  Contributory 1.17 (0.85, 1.60) 0.68 (0.44, 1.03) 0.94 (0.82, Subsidized 1.82 (1.34, 2.48) 0.99 (0.67, 1.49) 1.18 (1.03, Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88,	iddle	1.44 (1.01, 2.06)	2.71 (1.35, 5.45)	1.54 (1.32, 1.80)
p-value for trend       <0.001	W	1.54 (1.09, 2.16)	4.01 (2.06, 7.83)	1.71 (1.47, 1.98)
Health insurance scheme  Exceptional (Ref)  1.00  1.00  1.00  Contributory  1.17 (0.85, 1.60)  0.68 (0.44, 1.03)  0.94 (0.82, 0.95)  Subsidized  1.82 (1.34, 2.48)  0.99 (0.67, 1.49)  1.18 (1.03, 0.95)  Not insured  2.33 (1.67, 3.24)  0.58 (0.28, 1.23)  1.06 (0.88, 0.95)	west	1.92 (1.35, 2.73)	3.64 (1.84, 7.24)	1.84 (1.57, 2.15)
Exceptional (Ref)       1.00       1.00       1.00         Contributory       1.17 (0.85, 1.60)       0.68 (0.44, 1.03)       0.94 (0.82, 0.92)         Subsidized       1.82 (1.34, 2.48)       0.99 (0.67, 1.49)       1.18 (1.03, 0.94)         Not insured       2.33 (1.67, 3.24)       0.58 (0.28, 1.23)       1.06 (0.88, 0.98)	value for trend	<0.001	<0.001	<0.001
Contributory       1.17 (0.85, 1.60)       0.68 (0.44, 1.03)       0.94 (0.82,         Subsidized       1.82 (1.34, 2.48)       0.99 (0.67, 1.49)       1.18 (1.03,         Not insured       2.33 (1.67, 3.24)       0.58 (0.28, 1.23)       1.06 (0.88,	ealth insurance scheme			
Subsidized       1.82 (1.34, 2.48)       0.99 (0.67, 1.49)       1.18 (1.03,         Not insured       2.33 (1.67, 3.24)       0.58 (0.28, 1.23)       1.06 (0.88,	ceptional (Ref)	1.00	1.00	1.00
Not insured 2.33 (1.67, 3.24) 0.58 (0.28, 1.23) 1.06 (0.88,	ntributory	1.17 (0.85, 1.60)	0.68 (0.44, 1.03)	0.94 (0.82, 1.08)
	bsidized	1.82 (1.34, 2.48)	0.99 (0.67, 1.49)	1.18 (1.03, 1.35)
	ot insured	2.33 (1.67, 3.24)	0.58 (0.28, 1.23)	1.06 (0.88, 1.26)
p-value for trend <0.001 0.114 <0.001	value for trend	<0.001	0.114	<0.001

<sup>&</sup>lt;sup>a</sup> Models adjusted by age, gender, marital status, region, place of residence (urban/rural) and ethnicity

<sup>&</sup>lt;sup>b</sup> Prevalence ratios were used instead of Odds ratios given the high prevalence of the outcomes

<sup>&</sup>lt;sup>c</sup> 2013 Monthly National Minimum Wage (NMW): COP\$589,500

Appendix Table 2 - Absolute inequalities in oral health by different SEP measures and place of residence

	Having ≥3 teeth with untreated caries	Edentulousness	Number of missing teeth
		SII (95% CI)	
Urban areas			
Educational level	19.08 (13.45, 24.71)***	12.37 (7.02, 17.73)***	3.99 (3.31, 4.66) ***
Household income	20.87 (15.61, 26.13)***	10.38 (4.49, 16.27)**	2.13 (1.54, 2.72) ***
Area level SEP	15.62 (9.69, 21.56)***	7.88 (2.24, 13.53)**	1.95 (1.30, 2.60) ***
Health insurance scheme	25.55 (20.09, 31.00)***	7.00 (1.25, 12.76)*	1.95 (1.34, 2.56) ***
Rural areas			
Educational level	31.17 (17.43, 44.91)***	6.83 (-12.11, 25.77)	3.25 (1.95, 4.55) ***
Household income	12.17 (0.17, 24.18)*	9.14 (-3.27, 21.56)	2.31 (0.98, 3.64) **
Area level SEP	7.77 (-11.89, 27.43)	-4.93 (-26.73, 16.88)	0.96 (-1.34, 3.25)
Health insurance scheme	24.73 (9.85, 39.62)**	0.92 (-16.14, 17.97)	2.18 (0.62, 3.75) **

<sup>\*</sup> p<0.05, \*\*p<0.01, \*\*\*p<0.001

SII: Slope Index of Inequality

Models adjusted by age, gender, marital status, region and ethnicity

Appendix Table 3 - Relative inequalities in oral health by different SEP measures and age groups

	Education	Income	Area level SEP	Health insurance
Age (years)	RII (95% CI)			
Severe untreated caries				
20-39	2.53 (1.90, 3.38)***	2.27 (1.90, 3.38)***	1.80 (1.32, 2.45)***	3.16 (2.36, 4.23)***
40-59	1.85 (1.39, 2.47)***	2.06 (1.57, 2.70)***	1.63 (1.19, 2.25)**	2.06 (1.53, 2.77)***
60-79	1.75 (0.97, 3.16)	1.41 (0.91, 2.20)	1.76 (1.02, 3.03)*	2.91 (1.70, 5.00)***
Number of missing teeth				
20-39	1.91 (1.54, 2.36) ***	1.46 (1.21, 1.76)***	1.80 (1.44, 2.26)***	1.39 (1.14, 1.70)**
40-59	2.09 (1.79, 2.43) ***	1.51 (1.32, 1.74)***	1.50 (1.28, 1.77)***	1.42 (1.22, 1.66)***
60-79	1.72 (1.43, 2.06) ***	1.33 (1.17, 1.51)***	1.16 (1.00, 1.35)*	1.43 (1.21, 1.68)***
Edentulousness				
45 - 54	0.75 (0.14, 3.98)	1.35 (0.43, 4.18)	2.95 (0.85, 10.17)	2.04 (0.53, 7.87)
55 - 64	6.96 (2.55, 18.98)***	3.91 (1.83, 8.34)***	1.39 (0.60, 3.22)	4.46 (2.04, 9.76)***
65 - 79	2.63 (1.34, 5.14)**	1.65 (1.11, 2.46)*	1.58 (1.01, 2.47)*	1.09 (0.69, 1.73)

<sup>\*</sup> p<0.05, \*\*p<0.01, \*\*\*p<0.001

RII: Relative Index of Inequality

Models adjusted by age, gender, marital status, region, place of residence (urban/rural) and ethnicity

Interactions between the SEP measures and gender

Significant interactions (p<0.05) were found between education and gender for the outcomes of edentulousness and number of missing teeth. In both cases, inequalities were larger among women.

Appendix Table 4 - Relative educational inequalities in edentulousness and number of missing teeth by gender

	Edentulousness	Number of missing teeth	
Gender	<u></u>	RII (95% CI)	
Male	1.96 (0.83, 4.62)	1.80 (1.51, 2.15)***	
Female	4.65 (2.32, 9.30) ***	2.23 (1.93, 2.58)***	

<sup>\*</sup> p<0.05, \*\*p<0.01, \*\*\*p<0.001

RII: Relative Index of Inequality

Models adjusted by age, marital status, region, place of residence (urban/rural) and ethnicity

**Appendix Table 5 -** Relative and absolute inequalities in oral health outcomes by different SEP measures RII and SII estimates obtained from log-binomial regression models

	Having ≥3 teeth with untreated caries	Edentulousness		
SEP	Relative inequ	Relative inequalities - RII (95% CI)		
Educational level	2.11 (1.73, 2.57)***	3.30 (1.89, 5.74)***		
Household income	1.89 (1.59, 2.26)***	No convergence		
Area level SEP	1.69 (1.37, 2.10)***	1.56 (1.12, 2.17)**		
Health insurance scheme	2.50 (2.06, 3.03)***	No convergence		
	Absolute inequ	Absolute inequalities - SII (95% CI)		
Educational level	21.57 (16.33, 26.81)***	No convergence		
Household income	19.67 (14.74, 24.61)***	No convergence		
Area level SEP	14.74 (9.30, 20.19)***	No convergence		
Health insurance scheme	24.81 (19.88, 29.73) ***	No convergence		

<sup>\*</sup> p<0.05, \*\*p<0.01, \*\*\*p<0.001

RII: Relative Index of Inequality, SII: Slope Index of Inequality

Models adjusted by age, gender, marital status, region, place of residence (urban/rural) and ethnicity